

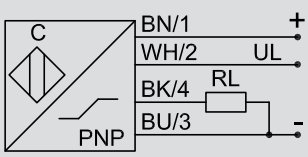
Capacitive Sensors
Series 80 - PNP
Article number: KA1357
Description: KAS-80-30-IL20/UL10-D30-PTFE-Y5-1-HP

- Capacitive sensor for level and position control
- With analogue output current 20...4 mA, voltage output 10...0 V
- Housing: Ø 30 mm
- Housing material: PTFE (FDA 21 CFR 177.1550)
- With flange connector M 12 x 1



Technical data

Mounting	Flush mountable
Operating range	0...30 mm
Linear range	0...20 mm
Sensitivity adjustment	Potentiometer
Output function	PNP, analogue
Operating voltage (U_B)	15…30 V DC
Output current (I_e)	≥ 20 mA ≤ 4 mA
Voltage output (V_e)	≥ 10 V ≤ 0 V
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5 %
No-load current (I_o)	≤ 40 mA
Output current active surface free	≥ 20 mA
Output current active surface covered	≤ 4 mA
Load resistor (R_L)	0...600 Ohm
Permitted ambient temperature	0...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67 (with sealed potentiometer screw)
Norm	EN 60947-5-2; EN 60947-5-7 (where applicable)
Connection	Flange connector M 12 x 1 (A-coded)
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Housing size / Process connection	Ø 30 mm
Media optimized	Yes
Quattro-Protect	Yes
MTTF (average operating time until failure)	585.86 years
Matching connectors (not delivered with the sensor)	Female connector M 12 x 1, DC, 4 x 0.34 mm², 5 m, angled, # 193391 Female connector M 12 x 1, DC, 4 x 0.34 mm², 5 m, straight, # 193392
	Made in Germany



All specifications are subject to change without notice. (07.06.2024)